

#37

## ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18  
Stylesheet Version v18.0

Title of  
Invention

IN SITU THERMAL PROCESSING OF A HYDROCARBON  
CONTAINING FORMATION TO INCREASE A POROSITY  
OF THE FORMATION

Application Number: 09/841299  
Confirmation Number: 3896  
First Named Applicant: Eric de Rouffignac  
Attorney Docket Number: 5659-02500  
Art Unit: 3672  
Examiner: George A. Suchfield  
Search string: ( 3017168 or 3434541 or 4598772 or  
5456315 ).pn.

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**GROUP 3600**

## US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
69	1	3017168	1962-01-16	Carr			
1	2	3434541	1969-03-25	Cook et al.			
1	3	4598772	1986-07-08	Holmes			
69	4	5456315	1995-10-10	Kisman et al.			

Signature

Examiner Name	Date
George Suchfield	11/16/04

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**\*09/841299\***

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Art Unit: 3672

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Search string: ( 4319635 or 5027896 or 5325918 or 4418752 or 5891829 or 4151877  
 or 4243511 or 4439307 or 4544478 or 5041210 or 4285547 or 4234230  
 or 3700280 or 3804169 or 3759328 or 3804172 or 4065183 or 3779602  
 or 4260192 or 4883582 or 20030029617 ).pn.

## US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
69	1	4319635	1982-03-16	Jones			
	2	5027896	1991-07-02	Anderson			
	3	5325918	1994-07-05	Berryman et al.			
	4	4418752	1983-12-06	Boyer et al.			
	5	5891829	1999-04-06	Vallejos et al.			
	6	4151877	1979-05-01	French			
	7	4243511	1981-01-06	Allred			
	8	4439307	1984-03-27	Jaquay et al.			
	9	4544478	1985-10-01	Kelley			
	10	5041210	1991-08-20	Merrill, Jr. et al.			
	11	4285547	1981-08-25	Weichman			
	12	4234230	1980-11-18	Weichman			
	13	3700280	1972-10-24	Papadopoulos et al.			
	14	3804169	1974-04-16	Closmann			
	15	3759328	1973-09-18	Ueber et al.			
69	16	3804172	1974-04-16	Closmann et al.			

US	17	4065183	1977-12-27	Hill et al.
1	18	3779602	1973-12-18	Beard et al.
1	19	4260192	1981-04-07	Shafer
US	20	4883582	1989-11-28	McCants

## US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
CA	1	20030029617	2003-02-13	Brown et al.			

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Search string: ( 3386508 or 4303126 or 4766958 or 4828031 or 5085276 or 5305829  
or 5377756 or 5411086 ).pn.

## US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
69	1	3386508	1968-06-04	Bielstein et al.			
7	2	4303126	1981-12-01	Blevins			
	3	4766958	1988-08-30	Faecke			
	4	4828031	1989-05-09	Davis			
	5	5085276	1992-02-04	Rivas et al.			
	6	5305829	1994-04-26	Kumar			
	7	5377756	1995-01-03	Northrop et al.			
69	8	5411086	1995-05-02	Burcham et al.			

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Examiner: George A. Suchfield  
Search string: ( 6820688 or 6805195 ).pn.

## US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

a. read  
c. to

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	6820688	2004-11-23	Vinegar et al.			
	2	6805195	2004-10-19	Vinegar et al.			

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	1	3017168	1962-01-16	Carr			
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Confirmation Number: 3896

First Named Applicant: Eric de Rouffignac

Attorney Docket Number: 5659-02100 2500

Art Unit: 3672

Examiner: George A. Suchfield

Search string: ( 5539853 or 3691291 or 3032102 or 3079085 or 3454365 or 4260018  
 or 4683947 or 5055180 or 5626191 or 6353706 or 6467543 or 6499536  
 or 4734115 or 3170842 or 3618663 or 4018280 or 4698149 or 3948755  
 or 4605489 or 4623444 or 4885080 or 5059303 or 6110358 or 6789625  
 or 6782947 or 20020004533 or 20020112987 ).pn.

## US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	5539853	1996-07-23	Jamaluddin et al.			
	2	3691291	1972-09-12	Taj			
	3	3032102	1962-05-01	Parker			
	4	3079085	2004-09-28	Clark, Jr. et al.			
	5	3454365	1969-07-08	Lumpkin et al.			
	6	4260018	1981-04-07	Shum et al.			
	7	4683947	1987-08-04	Fernbacher et al.			
	8	5055180	1991-10-08	Klaila			
	9	5626191	1997-05-06	Greaves et al.			
	10	6353706	2002-03-05	Bridges			
	11	6467543	2002-10-22	Talwani et al.			
	12	6499536	2002-12-31	Ellingsen			
	13	4734115	1998-03-29	Howard et al.			
	14	3170842	1965-02-23	Kehler			
	15	3618663	1971-11-09	Needham			

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	16	4018280	1977-04-19	Daviduk et al.
	17	4698149	1987-10-06	Mitchell
	18	3948755	1976-04-06	McCollum et al.
	19	4605489	1986-08-12	Madgavkar
	20	4623444	1986-11-18	Che et al.
	21	4885080	1989-12-05	Brown et al.
	22	5059303	1991-10-22	Taylor et al.
	23	6110358	2000-08-29	Aldous et al.
	24	6789625	2004-09-14	de Rouffinac et al.
	25	6782947	2004-08-31	de Rouffinac et al.

## US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
	1	20020004533	2002-01-10	Wallace et al.			
	2	20020112987	2002-08-22	Hou et al.			

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Art Unit: 3672

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Search string: ( 6763886 or 6769485 or 6769483 or 6581684 or 6588504 or 6588503  
or 6591906 or 6591907 or 6607033 or 6609570 or 6688387 or  
20040108111 ).pn.

## US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
69	1	6763886	2004-07-20	Schoeling et al.			
	2	6769485	2004-08-03	Vinegar et al.			
	3	6769483	2004-08-03	de Rouffignac et al.			
	4	6581684	2003-06-24	Wellington et al.			
	5	6588504	2003-07-08	Wellington et al.			
	6	6588503	2003-07-08	Karanikas et al.			
	7	6591906	2003-07-15	Wellington et al.			
	8	6591907	2003-07-15	Zhang et al.			
	9	6607033	2003-08-19	Wellington et al.			
	10	6609570	2003-08-26	Wellington et al.			
69	11	6688387	2004-02-10	Wellington et al.			

## US Published Applications

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init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass



1

20040108111

2004-06-10

Vinegar et al.

**Signature****Examiner Name****Date**

George Suchfield

6/3/05

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Search string: ( 3004596 or 3342258 or 3455383 or 3501201 or 3502372 or 3759574  
 or 4160479 or 4375302 or 4483398 or 6698515 or 6702016 or 6708758  
 or 6712135 or 6712136 or 6712137 or 6715546 or 6715547 or 6715549  
 or 6715548 or 6719047 or 6722431 or 6722430 or 6722429 or 6725920  
 or 6725921 or 6725928 or 6729397 or 6729396 or 6729401 or 6729395  
 or 6732794 or 6732796 or 6736215 or 6739394 or 6739393 or 6742593  
 or 6742587 or 6742589 or 6742588 or 6745837 or 6745831 or 6749021  
 or 6752210 or 6758268 or 6761216 or 20040069486 or 20040015023  
 or 20030213594 or 20040040715 or 20040020642 ).pn.

## US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
69	1	3004596	1961-10-17	Parker et al.			
	2	3342258	1967-09-19	Prats			
	3	3455383	1969-07-15	Prats et al.			
	4	3501201	1970-03-17	Closmann et al.			
	5	3502372	1970-03-24	Prats			
	6	3759574	1973-09-18	Beard			
	7	4160479	1979-07-10	Richardson et al.			
	8	4375302	1983-03-01	Kalmar			
	9	4483398	1984-11-20	Peters et al.			
	10	6698515	2004-03-02	Karanikas et al.			
	11	6702016	2004-03-09	de Rouffignac et al.			
69	12	6708758	2004-03-23	de Rouffignac et al.			

69	13	6712135	2004-03-30	Wellington et al.
11	14	6712136	2004-03-30	de Rouffignac et al.
	15	6712137	2004-03-30	Vinegar et al.
	16	6715546	2004-04-06	Vinegar et al.
	17	6715547	2004-04-06	Vinegar et al.
	18	6715549	2004-04-06	Wellington et al.
	19	6715548	2004-04-06	Wellington et al.
	20	6719047	2004-04-13	Fowler et al.
	21	6722431	2004-04-20	Karanikas et al.
	22	6722430	2004-04-20	Vinegar et al.
	23	6722429	2004-04-20	de Rouffignac et al.
	24	6725920	2004-04-27	Zhang et al.
	25	6725921	2004-04-27	de Rouffignac et al.
	26	6725928	2004-04-27	Vinegar et al.
	27	6729397	2004-05-04	Zhang et al.
	28	6729396	2004-05-04	Vinegar et al.
	29	6729401	2004-05-04	Vinegar et al.
	30	6729395	2004-05-04	Shahin, Jr. et al.
	31	6732794	2004-05-11	Wellington et al.
	32	6732796	2004-05-11	Vinegar et al.
	33	6736215	2004-05-18	Maher et al.
	34	6739394	2004-05-25	Vinegar et al.
	35	6739393	2004-05-25	Vinegar et al.
	36	6742593	2004-06-01	Vinegar et al.
	37	6742587	2004-06-01	Vinegar et al.
	38	6742589	2004-06-01	Berchenko et al.
	39	6742588	2004-06-01	Wellington et al.
	40	6745837	2004-06-08	Wellington et al.
	41	6745831	2004-06-08	de Rouffignac et al.
	42	6749021	2004-06-15	Vinegar et al.
	43	6752210	2004-06-22	de Rouffignac et al.
	44	6758268	2004-07-06	Vinegar et al.
69	45	6761216	2004-07-13	Vinegar et al.

## US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass

69	1	20040069486	2004-04-15	Vinegar et al.
	2	20040015023	2004-01-22	Wellington et al.
	3	20030213594	2003-11-20	Wellington et al.
	4	20040040715	2004-03-04	Wellington et al.
69	5	20040020642	2004-02-05	Vinegar et al.

Signature

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George Suchfield	6/3/05

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## US Patent Documents

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init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
09	1	4006778	1977-02-08	Redford et al.			
	2	3994340	1976-11-30	Anderson et al.			
	3	3994341	1976-11-30	Anderson et al.			
	4	4460044	1984-07-17	Porter			
	5	4696345	1987-09-29	Hsueh			
	6	2584605	1952-02-05	Merriam et al.			
	7	2969226	1961-01-24	Huntington			
	8	3982591	1976-09-28	Hamrick et al.			
09	9	3982592	1976-09-28	Hamrick et al.			

Signature

Examiner Name	Date
George Suchfield	6/3/05

O I P E  
APR 28 2005

Form PTO-1449 (modified) List of Patents and Publications For Applicant's Information Disclosure Statement		ATTY. DKT. NO. 5659-02500		SERIAL NO. 09/841,299		
		APPLICANT: de Rouffignac et al.		CONFIRMATION NO.: 3896		
		FILING DATE: April 24, 2001		GROUP: 3672		
<b>U.S. PATENT DOCUMENTS</b>						
EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	NAME	CLASS SUB CLASS	FILING DATE IF APPROPRIATE
	U113	3288648	11/29/1966	Jones		
	U114	4415034	11/15/1983	Bouek		
<b>OTHER ART</b>						
EXAM. INITIALS	REF. DES.	OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)				
	OA-19	U.S. Patent and Trademark Office, "Office Communication" for Application No. 09/841,493 mailed October 6, 2004 (4 pages).				
	OA-20	U.S. Patent and Trademark Office, "Office Communication" for Application No. 09/841,302 mailed October 21, 2004 (6 pages).				

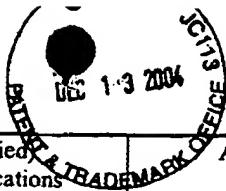
EXAMINER:

*George Suchfield*

DATE CONSIDERED:

*6/3/05*

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent owner.



Form PTO-1449 (modified) List of Patents and Publications For Applicant's Information Disclosure Statement		ATTY. DKT. NO. 5659-02500		SERIAL NO. 09/841,299			
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EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
CG	U113	3288648	11/29/1966	Jones			
CG	U114	4415034	11/15/1983	Bouck			
<b>OTHER ART</b>							
EXAM. INITIALS	REF. DES.	OTHER ART (including Author, Title, Date, Pertinent Pages, etc.)					
CG	OA-19	U.S. Patent and Trademark Office, "Office Communication" for Application No. 09/841,493 mailed October 6, 2004 (4 pages).					
CG	OA-20	U.S. Patent and Trademark Office, "Office Communication" for Application No. 09/841,302 mailed October 21, 2004 (6 pages).					

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<table border="1"><thead><tr><th>init</th><th>Cite.No.</th><th>Patent No.</th><th>Date</th><th>Patentee</th><th>Kind</th><th>Class</th><th>Subclass</th></tr></thead><tbody><tr><td><input checked="" type="checkbox"/></td><td>1</td><td>5539853</td><td>1996-07-23</td><td>Jamaluddin et al.</td><td></td><td></td><td></td></tr><tr><td><input type="checkbox"/></td><td>2</td><td>3691291</td><td>1972-09-12</td><td>Taj</td><td></td><td></td><td></td></tr><tr><td><input type="checkbox"/></td><td>3</td><td>3032102</td><td>1962-05-01</td><td>Parker</td><td></td><td></td><td></td></tr><tr><td><input type="checkbox"/></td><td>4</td><td>3079085</td><td>2004-09-28</td><td>Clark, Jr. et al.</td><td></td><td></td><td></td></tr><tr><td><input type="checkbox"/></td><td>5</td><td>3454365</td><td>1969-07-08</td><td>Lumpkin et al.</td><td></td><td></td><td></td></tr><tr><td><input type="checkbox"/></td><td>6</td><td>4260018</td><td>1981-04-07</td><td>Shum et al.</td><td></td><td></td><td></td></tr><tr><td><input type="checkbox"/></td><td>7</td><td>4683947</td><td>1987-08-04</td><td>Fernbacher et al.</td><td></td><td></td><td></td></tr><tr><td><input type="checkbox"/></td><td>8</td><td>5055180</td><td>1991-10-08</td><td>Klaila</td><td></td><td></td><td></td></tr><tr><td><input type="checkbox"/></td><td>9</td><td>5626191</td><td>1997-05-06</td><td>Greaves et al.</td><td></td><td></td><td></td></tr><tr><td><input type="checkbox"/></td><td>10</td><td>6353706</td><td>2002-03-05</td><td>Bridges</td><td></td><td></td><td></td></tr><tr><td><input checked="" type="checkbox"/></td><td>11</td><td>6467543</td><td>2002-10-22</td><td>Taiwani et al.</td><td></td><td></td><td></td></tr></tbody></table>	init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass	<input checked="" type="checkbox"/>	1	5539853	1996-07-23	Jamaluddin et al.				<input type="checkbox"/>	2	3691291	1972-09-12	Taj				<input type="checkbox"/>	3	3032102	1962-05-01	Parker				<input type="checkbox"/>	4	3079085	2004-09-28	Clark, Jr. et al.				<input type="checkbox"/>	5	3454365	1969-07-08	Lumpkin et al.				<input type="checkbox"/>	6	4260018	1981-04-07	Shum et al.				<input type="checkbox"/>	7	4683947	1987-08-04	Fernbacher et al.				<input type="checkbox"/>	8	5055180	1991-10-08	Klaila				<input type="checkbox"/>	9	5626191	1997-05-06	Greaves et al.				<input type="checkbox"/>	10	6353706	2002-03-05	Bridges				<input checked="" type="checkbox"/>	11	6467543	2002-10-22	Taiwani et al.				
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69	12	6499536	2002-12-31	Ellingsen
	13	4734115	1998-03-29	Howard et al.
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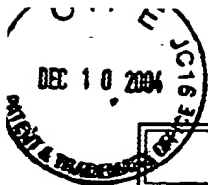
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Note: Applicant is not required to submit a paper copy of cited US Published Applications

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69	1	20020004533	2002-01-10	Wallace et al.			
69	2	20020112987	2002-08-22	Hou et al.			

### Signature


Examiner Name	Date
George Suchfield	6/3/05



## ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	IN SITU THERMAL PROCESSING OF A HYDROCARBON CONTAINING FORMATION TO INCREASE A POROSITY OF THE FORMATION						
Application Number: 09/841299 							
Confirmation Number: 3896							
First Named Applicant: Eric de Rouffignac							
Attorney Docket Number: 5659-02500							
Art Unit: 3672							
Examiner: George A. Suchfield							
Search string: ( 6820688 or 6805195 ).pn.							
US Patent Documents							
Note: Applicant is not required to submit a paper copy of cited US Patent Documents							
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
69	1	6820688	2004-11-23	Vinegar et al.			
69	2	6805195	2004-10-19	Vinegar et al.			
Signature							
Examiner Name				Date			
George Suchfield				6/3/05			



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Examiner: George A. Suchfield

Search string: ( 3386508 or 4303126 or 4766958 or 4828031 or 5085276 or 5305829 or 5377756  
or 5411086 ).pn

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	2	4303126	1981-12-01	Blevins			
	3	4766958	1988-08-30	Faecke			
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	7	5377756	1995-01-03	Northrop et al.			
CS	8	5411086	1995-05-02	Burcham et al.			

## Signature

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George Suchfield	6/3/05